

**IN THE CLAIMS:**

1. (Currently Amended) An a.c. generator for a vehicle comprising:  
  
a rotator;  
  
a stator iron core, arranged opposite to an outer periphery of the rotator and having a plurality of slots; and  
  
a plurality of conductor segments accommodated in the slots to form a stator winding,  
  
wherein the stator iron core is insulated from the conductor segments by coating at least end surfaces of the stator iron core and inner wall surfaces of the slots with an insulative resin,  
  
~~and~~  
  
wherein the number of the slots is at least two for each pole and each phase, and  
  
wherein the inner wall surfaces of the slots are shaped to be uneven.
2. (Original) The a.c. generator for the vehicle according to Claim 1, wherein the coating of the insulative resin is provided around opening edges of the slots on sides of the end surfaces of the stator iron core so as to be in a rounded shape or a chamfered shape.
3. (Previously Amended) The a.c. generator for the vehicle according to Claim 1, wherein the stator iron core has a rounded shape or a chamfered shape around opening edges of the slots on the sides of the end surfaces of the stator iron core.

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4. (Previously Amended) The a.c. generator for the vehicle according to Claim 2, wherein the stator iron core has a rounded shape or a chamfered shape around opening edges of the slots on the sides of the end surfaces of the stator iron core.

5. (Previously Amended) The a.c. generator for the vehicle according to Claim 1, wherein the insulative resin is thicker at opening edges of the slots on sides of the end surfaces of the stator iron core than at center portions of the slots in an axial direction.

6. (Previously Amended) The a.c. generator for the vehicle according to Claim 2, wherein the insulative resin is thicker at opening edges of the slots on sides of the end surfaces of the stator iron core than at center portions of the slots in an axial direction.

7. (Original) The a.c. generator for the vehicle according to Claim 1, wherein the conductor segments have a substantially rectangular cross-sectional shape.

8. (Original) The a.c. generator for the vehicle according to Claim 2, wherein the conductor segments have a substantially rectangular cross-sectional shape.

9. (Original) The a.c. generator for the vehicle according to Claim 1, wherein the end surfaces of the stator iron core are shaped to be uneven.

10. (Original) The a.c. generator for the vehicle according to Claim 2, wherein the end surfaces of the stator iron core are shaped to be uneven.

11-12. (canceled)

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13. (Previously Amended) The a.c. generator for the vehicle according to Claim 1, wherein the insulative resin is not broken at a time of inserting the conductor segments into the slots.

14. (Previously Amended) The a.c. generator for the vehicle according to Claim 2, wherein the insulative resin is not broken at a time of inserting the conductor segments into the slots.

15. (Original) The a.c. generator for the vehicle according to Claim 1, wherein the insulative resin includes silicone.

16. (Original) The a.c. generator for the vehicle according to Claim 2, wherein the insulative resin includes silicone.

17. (Original) The a.c. generator for the vehicle according to Claim 1, wherein the insulative resin includes epoxy.

18. (Original) The a.c. generator for the vehicle according to Claim 2, wherein the insulative resin includes epoxy.

19-20. (canceled)